## CLEAN VERSION OF PENDING CLAIMS

- 1. An aptamer having a length of between 12 and 22 nucleic acid units, inclusive, and having a sequence which includes at least two G-rich regions selected from the group consisting of GGnG, GGGG, GnGG, nGGG and GGGn, where G is guanidine and n is any nucleotide, and wherein the aptamer reduces CD28 expression in an activated human T-cell.
- 2. The aptamer of claim 1 wherein at least two of the at least two regions are separated by two to seven nucleotides, inclusive.
- 3. The aptamer of claim 1 wherein at least two of the at least two regions are separated by three to six nucleotides, inclusive.
- 4. The aptamer of claim 1 wherein at least two of the at least two regions are separated by four nucleotides.
- 5. Previously canceled.
- 6. The aptamer of claim 1 wherein the aptamer competes for a nucleic acid binding site of SP1.
- 7. The aptamer of claim 1 which competes for a nucleic acid binding site of an immune regulatory protein, wherein at least one of the at least two G-rich regions comprises GGnG, and at least two of the at least two regions are separated by two to seven nucleotides.
- 8. The aptamer of claim 1 which competes for a nucleic acid binding site of an immune regulatory protein, wherein at least one of the at least two G-rich regions comprises GGGG, and at least two of the at least two regions are separated by two to seven nucleotides, inclusive.
- 9. The aptamer of claim 1 which competes for a nucleic acid binding site of an immune regulatory protein, wherein at least one of the at least two G-rich regions comprises GnGG, and at least two of the at least two regions are separated by two to seven nucleotides, inclusive.
- 10. The aptamer of claim 1 which competes for a nucleic acid binding site of an immune regulatory protein, wherein at least one of the at least two G-rich regions comprises nGGG or

GGGn, and at least two of the at least two regions are separated by two to seven nucleotides, inclusive.

- 11. The aptamer of claim 1 comprising the sequence 5' TTG GAG GGG GTG GGG. 3' (Seq. Id. No. 4).
- 12. The aptamer of claim 1 comprising the sequence 5' GGG GAG GAG GGG CTG GAA 3' (Seq. Id. No. 5).
- 13. The aptamer of claim 1 comprising the sequence 5' GGG GTG GTG GGG 3' (Seq. Id. No. 13).
- 14. The aptamer of claim 1 comprising the sequence 5' TTG GAG GGG GAG GAG GGG 3' (Seq. Id. No. 7).
- 15. The aptamer of claim 1 comprising the sequence 5' TTG GAG GGG GAG GTG GGG 3' (Seq. Id. No. 8).
- 16. The aptamer of claim 1 comprising the sequence 5' GGG TTG GAG GGG GTG GTG GGG 3' (Seq. Id. No. 6).
- 17. A method of medicating an immunecompetent cell, comprising administering to the cell an aptamer according to claim 1 at a concentration effective to reduce CD28 expression.
- 18. Previously canceled.
- 19. The method of claim 17 wherein the immunecompetent cell is in a patient suffering from a graft vs host response.
- 20. The method of claim 17 wherein the immune competent cell is in a patient suffering from an autoimmune disease.
- 21. The method of claim 20 wherein the autoimmune disease comprises rheumatoid arthritis.
- 22. The method of claim 20 wherein the autoimmune disease multiple sclerosis.
- 23. The method of claim 20 wherein the autoimmune disease comprises lupus erthymatosis.

- 24. The method of claim 20 wherein the autoimmune disease comprises insulin dependent diabetes mellitus.
- 25. The method of claim 20 wherein the autoimmune disease comprises psoriasis.